- 1. How do you write a system of linear equations in two variables? Explain this both in words and by using mathematical notation (an equation).
- 2. What are two symbolic techniques used to solve linear equations? Which do you feel is better? Explain why.
- 3. How many solution sets do systems of linear inequalities have? Must solutions to systems of linear inequalities satisfy both inequalities? In what case might they not?
- 4. How many solutions does a system of linear equations in three variables have? Can systems of linear equations have infinitely many solutions? Under what circumstances could that occur?
- 5. Identify four-steps to solving a linear system in three variables. Do these steps have to be done in a certain order? Are there any steps that could be skipped? Explain why or why not
- 6. Do the equations x = 4y + 1 and x = 4y 1 have the same solution? How might you explain your answer to someone who has not learned algebra?